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## ***OU 3-14 Remedial Investigation/Feasibility Study Additional Soil Sites Summary Report***

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**Published August 2001**

**Prepared for the  
U.S. Department of Energy  
Idaho Operations Office**

## ABSTRACT

The Waste Area Group (WAG) 3 soil Sites CPP-61 (polychlorinated biphenyl spill in CPP-718 Transformer Yard), CPP-81 (abandoned CPP-637/CPP-620 vessel off-gas line), and CPP-82 (abandoned 1.5-in. line, PLA-776 West of Beech Street) were investigated as part of the Idaho Nuclear Technology and Engineering Center WAG 3 remedial investigation/feasibility study process. The Operable Unit (OU) 3-13 *Final Record of Decision* assigned the three soil Sites, CPP-61, CPP-81, and CPP-82, to OU 3-14 for disposition.

This *OU 3-14 Remedial Investigation/Feasibility Study Additional Soil Sites Summary Report* presents the archived information and regulatory actions that have been taken with regard to the soil Sites CPP-61, CPP-81, and CPP-82. Evaluation of this information supports previous determinations of “No Further Action” for CPP-61, CPP-81, and CPP-82.



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## ACRONYMS

bgs	below ground surface
BRA	baseline risk assessment
cpm	counts per minute
DOE-ID	Department of Energy Idaho Operations Office
EPA	Environmental Protection Agency
FAST	Fluorinel Dissolution Process and Fuel Storage
FDP	fuel dissolution process
FS	feasibility study
HP	health physics
HQ	hazard quotient
HWD	hazardous waste determination
ICPP	Idaho Chemical Processing Plant
IDEQ	Idaho Department of Environmental Quality
IDW	investigation-derived waste
INTEC	Idaho Nuclear Technology and Engineering Center
N&IS	nuclear and industrial safety
NFA	no further action
OU	operable unit
PCB	polychlorinated biphenyl
PEW	process equipment waste
PRG	preliminary remediation goal
RCRA	Resource Conservation and Recovery Act
RI	remedial investigation
ROD	Record of Decision
RWMC	Radioactive Waste Management Complex

SAIC	Science Applications International Corporation
TCE	trichloroethylene
TSCA	Toxic Substances Control Act
UREP	Utilities Replacement Expansion Project
VOG	vessel off-gas
WAG	waste area group

# **OU 3-14 Remedial Investigation/Feasibility Study Additional Soil Sites Summary Report**

## **1. INTRODUCTION**

The Waste Area Group (WAG) 3 soil Sites CPP-61 (polychlorinated biphenyl [PCB] spill in CPP-718 Transformer Yard), CPP-81 (abandoned CPP-637/CPP-620 vessel off-gas [VOG] line), and CPP-82 (abandoned 1.5-in. line, PLA-776 west of Beech Street) were investigated as part of the Idaho Nuclear Technology and Engineering Center (INTEC) WAG 3 remedial investigation/feasibility study (RI/FS) process (see Figure 1-1). The Operable Unit (OU) 3-13 *Final Record of Decision* (ROD) (DOE-ID 1999) assigned three soil Sites, CPP-61, CPP-81, and CPP-82, to OU 3-14 for disposition.

The OU 3-14 Work Plan (DOE-ID 2000) calls for a summary report on the soil Sites CPP-61, CPP-81, and CPP-82 to evaluate each site with regard to their Track 1 decision documents and the “No Further Action” decision. This OU 3-14 Additional Soil Sites Summary Report presents the archived information and regulatory actions that have been taken with regard to the soil Sites CPP-61, CPP-81, and CPP-82. Evaluation of this information supports previous determinations of “No Further Action” for CPP-61, CPP-81, and CPP-82.

This report covers the historical information for soil Sites CPP-61, CPP-81, and CPP-82. This information supplements the Track 1 reports that were prepared for these soil sites. Section 1 is an introduction summarizing how the soil sites became part of OU 3-14 and the need for this report to evaluate all known information on the sites. Section 2 addresses soil Site CPP-61, Section 3 addresses soil Site CPP-81, and Section 4 addresses soil Site CPP-81. Section 5 is the reference section, and Appendices A through E provide additional information to support the body of the report. Appendix A is the various letters and documents that pertain to CPP-61. Photographs pertaining to CPP-61 are in Appendix B. The daily construction log excerpts that pertain to CPP-61 are in Appendix C. Appendix D is the calcine data and calculations prepared for CPP-81 on the calcine amount removed. Appendix E contains the white papers prepared by Science Applications International Corporation (SAIC) on the three soil sites.

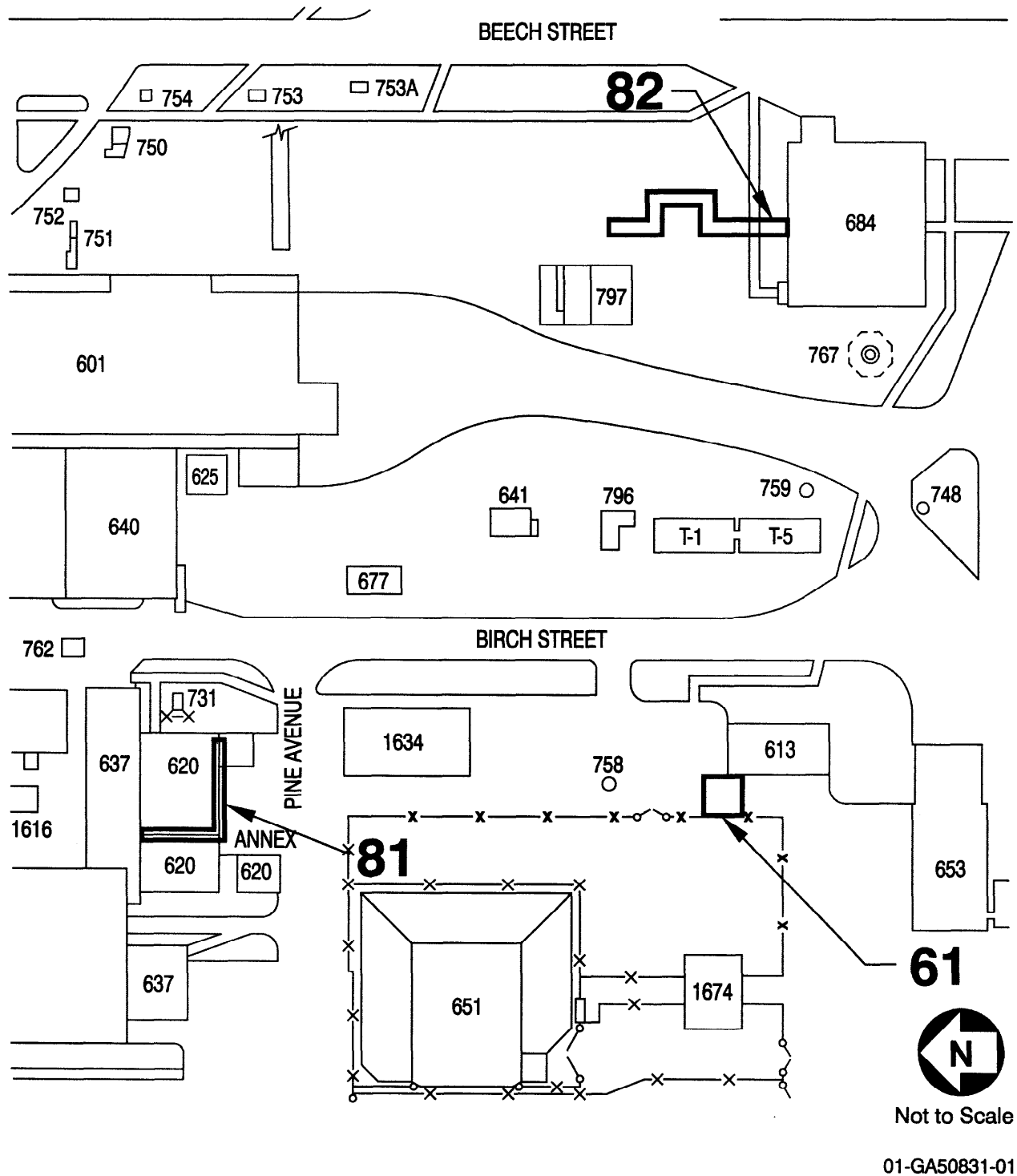


Figure 1-1. Environmentally controlled areas CPP-61, CPP-81, and CPP-82 within INTEC (2001 site plan).